

NOVEMBER 1973

AT THE CALIFORNIA ACADEMY OF SCIENCES

NOVEMBER MEETINGS

Dates & Times: Matinee, 2:30 p.m., Wednesday November 14
Evenings, 8:00 p.m., Wednesday and Thursday, November 14-15
Place: May Treat Morrison Auditorium
Speaker: Edward S. Ross
Subject: "FLOWERS: CROSSROADS OF THE INSECT WORLD"

It would be neither cliché nor over-statement to remark that, for Dr. Ross, the entire world has been an intriguing research laboratory. As an entomologist, he has spent much of his life in wide pursuit of information concerning Embioptera (an order of tropical, web-spinning insects). He has traveled the continents, returned and returned again — armed only with his curiosity, the accouterment of his vocation, plus cameras that have recorded thousands upon thousands of images, not only of web-spinners but of people and plants and a host of other things. Among them, flowers have served as a favorite hunting ground for diverse reasons.

A flower-spangled meadow is more than springtime glory eulogized by the poets. It is an arena of unbelievable activity. Dr. Ross finds it analogous to a busy supermarket. Colorful, patterned petals serve as flashy neon, encouraging insects to locate, to stop and take advantage of their offerings. A simple daisy proffers much: plenty of parking and single-stop shopping for delectable merchandise hard to resist — an attractive "come on" serving both the giver and the receiver. The very mechanics of the flowering process and pollination is a fascinating one and Dr. Ross' close close-ups probe deep into the reciprocal arrangements between insect and blossom. Curator in the Department of Entomology,

Dr. Ross has been with the Academy staff since 1939.

Three presentations as indicated and your membership card will admit you through the main entrance of Cowell Hall. At the matinee performance you will be asked to show it once again at the auditorium entrance.

MORRISON PLANETARIUM

"THE STAR THAT FAILED" will continue in the Theatre of the Stars through November 25. All eyes will be focused on the planet Jupiter as Pioneer 10 nears its objective. This will prepare you for yet another of man's great adventures in space.

Shows presented daily at 2:00, and evenings, Wednesday through Sunday, at 8:00. Extra matinees late afternoons on Saturdays and Sundays. Closed Monday and Tuesday nights and Thanksgiving Day. Admission: Adults, \$1.00 with half-price for 17 and under.

Coming November 29: "THE CHRISTMAS STAR."

SPECIAL EXHIBITS

"NATIVE CALIFORNIANS," an exhibit of 28 new botanical prints (linocuts) by San Francisco artist Henry Evans whose fine work is well-known to the membership. All are available for purchase including six created exclusively for this show and on sale only at the Academy. These six are of California Poppy, Lupine, Columbine, Brodiaea, Douglas Iris, and Calochortus. The prices are modest and the prints would make faultless Christmas presents. The exhibit is in Hohfeld Gallery and will continue through the end of the year.

News and Notes

On the recommendation of the Science Council to the Academy's Board of Trustees, the following have been elected as Fellows of the California Academy of Sciences:

Dr. Dennis E. Breedlove, Associate Curator, Department of Botany, California Academy of Sciences.

Dr. Jean H. Langenheim, Professor of Biology, Stevenson College, Division of Natural Sciences, University of California, Santa Cruz.

Dr. J. Murray Luck, Professor Emeritus, Department of Chemistry, Stanford University.

Dr. York Mandra, Professor of Geology, California State University, San Francisco.

Dr. Raymond Sullivan, Associate Dean, Natural Sciences, Department of Physical Sciences, California State University, San Francisco.

Election to this body is in recognition of unusual attainments in science, particularly the work of the Academy. By charter, the number is limited to 300 persons who are elected for life.

Second Annual Louis Leakey Memorial Symposium, co-sponsored by the Leakey Foundation and the California Academy of Sciences, will present ten world-renowned scientists, including Mary D. Leakey, Raymond A. Dart, and Jane Goodall at the Palace of Fine Arts, San Francisco, on December 1 and 2. The two-day program, "IN SEARCH OF MAN," will focus on crucial new discoveries relating to man's origins, his evolving behavior, and his prospects of survival. Fee: \$50. Students: \$35. Academic credit available. Call 387-1668 for information.

As this NEWSLETTER is being written, seats are still available for author-naturalist Gerald Durrell's evening at Masonic Auditorium, San Francisco — an event sponsored jointly by the CAS and SAFE, International (Save Animals From Extinction). The scheduled date is Saturday, November 3, eight o'clock and the program is titled "The Stationary Ark." It will include a color movie devoted to Mr. Durrell's wildlife preservation center and he will illustrate his discussion with his own spontaneous drawings.

Members are offered the special price of \$3.50 per seat (as opposed to \$5 for the general public. These may be had by writing "The Stationary Ark," California Academy of Science, Golden Gate Park, San Francisco, CA 94118 — the only available source. Please enclose your check plus a self-addressed envelope. Both the Academy and Mr. Durrell's Wildlife Trust are the beneficiaries for this outstanding program.

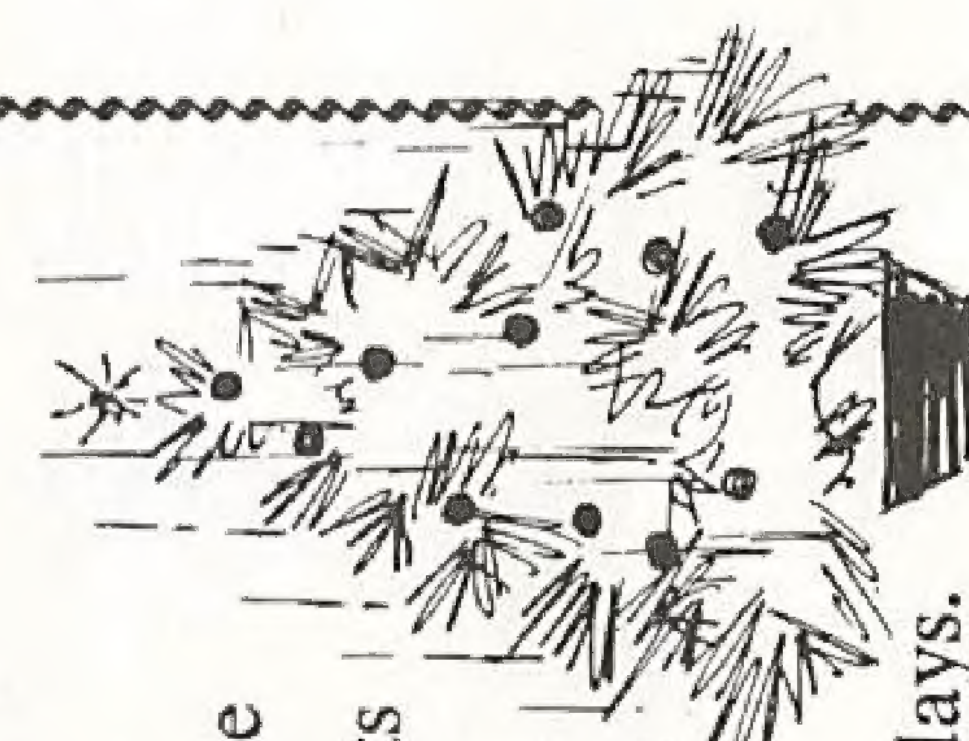
Dr. Welton L. Lee has joined the Academy staff as Chairman and Curator of the Department of Invertebrate Zoology. Prior to accepting the CAS post, Dr. Lee was Assistant Professor of Biology, and

A Thoughtful

Gift Suggestion

... A MEMBERSHIP IN THE ACADEMY

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Family Membership ☐ \$15.00 Life Membership ☐ \$300

Director, Undergraduate Research Participation Program, Hopkins Marine Station of Stanford University. He received his Ph.D. in 1965 from Stanford.

Dr. Lee's appointment became effective July 1.

MEET THE STAFF



SAMUEL VanLANDINGHAM joined forces with the Academy when he assumed a staff position in the Department of Geology on May 15. As a Research Associate, he will continue his lengthy — and impressive — research (four volumes already completed) on a "Catalogue of Fossil and Recent Diatoms", a work into which he has already put five years of his life. His project, thus far, was accomplished on private time with personal funds, all the while working and teaching and making a living. Now, with the welcome National Science Foundation grant announced in last June's NEWSLETTER, he can continue uninterruptedly with the additional four volumes that he feels will complete the work.

He was born in Iraan, Texas and attended Texas Technological University (B.S. in geology), the University of Kansas (both an A.B. and an M.A. in botany), and finally, the University of Louisville, Kentucky, with a Ph.D. in biology (botany). As a young man, he spent his summers at various jobs in Texas oil fields. He began teaching in 1963 (continuing through 1970) at the University of Louisville, Kentucky, and Northeast Louisiana University, Monroe. Immediately prior to coming to the Academy he was an aquatic biologist (actually a State Algologist — possibly a position

unique in the U.S.) with the Michigan Department of Natural Resources where he examined water samples and evaluated quality based on the algae content.

Dr. VanLandingham's third volume in his extensive work is dedicated to the late G Dallas Hanna, a diatomist probably without peer in an unusual and esoteric field whose name is respected and remembered in not only CAS but international geological circles.

Sam and his wife Becky have been more than happy with bicycles for a long, long time and he estimates that he has well over 3,000 two-wheeled miles under his belt. He admits the San Francisco hills present a problem, but as yet he is not dissuaded. Along with bicycles, the VanLandingshams have a continuing devotion to baroque and Renaissance music — a compatible balance if ever there was one.

NEW MEMBERS OF THE ACADEMY

Regular Members

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Mrs. Richard J. Love	Mr. John A. West
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Dr. & Mrs. James E. Murray	Mr. & Mrs. Dale L. Zeiders

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Mrs. James R. Bancroft	Mrs. Sally M. Tremaine
	Mrs. Jack C. West

Life Members

Mr. & Mrs. James W. Jordan	Dr. Robert E. Phillips
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